

## **SECTION 6**

### **6.33 SUMP PITS FOR VAULTS AND MANHOLES:**

Sumps are required for vaults or manholes in areas where there is seepage into existing vaults and in all pressure regulating valve installations.

A gravity drain line or sump pump shall be used in conjunction with a sump where telemetry equipment is to be installed. See Sheets 43 and 44 of the Standard Drawings.

Normal practice in constructing a sump is to excavate a 30 inch diameter hole about 3 feet deep. A 6 inch floor is poured and allowed to set. Then a 24 inch section of cardboard tubing is used for an inside form, and concrete is poured behind it approximately 3 inches thick. See Sheets 43 and 44 of the Standard Drawings showing a sump as part of a typical pressure regulating valve installation.